

IN THE CLAIMS

Please amend the Claims as follows:

1 - 24 (Cancelled)

25. (New) A device comprising:
a substrate;
at least one protrusion extending from the substrate;
at least one nano-sized pore disposed on the protrusion; and
at least one carbon nanotube coupled to the pore.
26. (New) The device of claim 25, wherein the protrusion comprises a sharp tip distal from the substrate.
27. (New) The device of claim 25, wherein the protrusion comprises a flat tip distal from the substrate.
28. (New) The device of claim 25, wherein the substrate comprises silicon.
29. (New) The device of claim 25, wherein the substrate and the protrusion comprise the same material.
30. (New) The device of claim 25, further comprising a catalyst within the pore.
31. (New) The device of claim 30, wherein the catalyst comprises iron, cobalt, nickel, and alloys of iron, cobalt, or nickel.

32. (New) The device of claim 25, wherein the substrate includes a planar surface and the carbon nanotube is oriented substantially perpendicular to the planar surface.
33. (New) The device of claim 25, wherein the substrate includes a planar surface and the carbon nanotube is oriented to form an angle to the planar surface.
34. (New) The device of claim 25, wherein the protrusion includes a planar surface and the carbon nanotube is oriented substantially perpendicular to the planar surface.
35. (New) The device of claim 25:
wherein the substrate includes a planar surface;
wherein the protrusion includes a planar surface;
wherein the protrusion planar surface forms an angle to the substrate planar surface; and
wherein the carbon nanotube is oriented substantially perpendicular to the protrusion planar surface.
36. (New) The device of claim 25, wherein the carbon nanotube is oriented substantially along the direction of the pore.
37. (New) The device of claim 25, wherein the protrusion includes a planar surface and the is pore disposed on the planar surface and oriented substantially perpendicular to the protrusion planar surface.
38. (New) The device of claim 25, wherein the carbon nanotube has a diameter of less than 100 nm.
39. (New) The device of claim 25, wherein the carbon nanotube has a diameter of less than 10 nm.

40. (New) The device of claim 25, wherein the carbon nanotube is a single walled carbon nanotube.
41. (New) The device of claim 25, wherein the carbon nanotube has an aspect ratio of length to diameter of 10:1.
42. (New) The device of claim 25, wherein a single pore is dispensed at a distal end of each protrusion.
43. (New) The device of claim 25, wherein a single carbon nanotube is extending from the pore.
44. (New) The device of claim 25, wherein the substrate is adapted for attachment to a scanning probe microscopy tool.
45. (New) The device of claim 25, wherein the substrate is adapted for attachment to a field emission device.